


LEBANON VALLEY COLLEGE

# Summer School Bulletin 1947



Annville, Pennsylvania



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# LEBANON VALLEY COLLEGE SUMMER SCHOOL BULLETIN

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## Calendar

June 9.....	Registration
June 10.....	Classes Convene
July 18.....	End of first six weeks, Examinations
July 21.....	Registration of students entering for last six weeks
August 28.....	Final Examinations
August 29.....	Commencement Exercises

Students may register for the twelve weeks' Summer Session  
or for the first six weeks or the last six weeks only.

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## LEBANON VALLEY COLLEGE BULLETIN

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ANNVILLE, PENNSYLVANIA

Dr. P. A. Wallace, Editor; Publications Committee: P. A. W. Wallace, Mary E. Gillespie, A. H. M. Stonecipher.

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# Faculty

CLYDE A. LYNCH, A.M., B.D., Ph.D., D.D., LL.D.  
President

HIRAM H. SHENK, A.M., LL.D.  
Professor of History and Social Science

SAMUEL H. DERICKSON, B.S., M.S., Sc.D.  
Professor of Biological Science

SAMUEL O. GRIMM, A.M., Sc.D.  
Registrar; Professor of Physics and Mathematics

ANDREW BENDER, Ph.D.  
Professor of Chemistry

PAUL A. WALLACE, Ph.D.  
Professor of English

G. A. RICHIE, A.M., B.D., D.D.  
Professor of Bible and Greek

STELLA J. STEVENSON, Ph.D.  
Professor of French and Spanish Language and Literature

V. EARL LIGHT, Ph.D.  
Associate Professor of Biological Science

GEORGE G. STRUBLE, Ph.D.  
Associate Professor of English

MARY E. GILLESPIE, M.A.  
Director, Conservatory of Music

ALVIN H. M. STONECIPHER, Ph.D.  
Dean and Acting Professor of Philosophy

EDWARD P. RUTLEDGE, M.A.  
Director of Musical Organizations

D. CLARK CARMEAN, M.A.  
Band and Orchestra Instruments and Director of Summer School

AMOS H. BLACK, Ph.D.  
Professor of Mathematics

FREDERIC K. MILLER, M.A.  
Professor of History

MAUD P. LAUGHLIN, M.A.  
Professor of Sociology and Political Science

CHESTER A. FEIG, Ed.D.  
Professor of Education and Psychology

JOHN F. LOTZ, Ed.D.  
Professor of Economics and Business Administration

WILLIAM B. CASTETTER, M.A.  
Professor of Psychology and Education

ROBERT K. NESS, M.S.  
Associate Professor of Chemistry

HILBERT V. LOCHNER, M.A.  
Instructor in Economics and Business Administration

## GENERAL STATEMENT

Lebanon Valley College will offer this summer a twelve weeks' summer session to meet the needs of those who have returned from the armed services, and others, for an accelerated college course, and to meet the requirements for teacher certification.

The twelve weeks' summer course will begin June 9 and close August 29. This period will be divided into two sessions, the one running from June 9 to July 18, and the other from July 21 to August 29. Students wishing only six weeks of work may enroll for either the first or second session.

### REGISTRATION

Registration by mail in advance of the opening date of the session is urged.

### CREDITS

Credits will be issued to all students showing the courses attended, grades, and number of semester hours credit. Courses taken during the Summer Session are credited towards the college degrees. One hundred and twenty-six semester hours of academic credits are required for the bachelor degrees. For complete information concerning the requirements for degrees the candidate should refer to the college catalogue or write to the Registrar.

### EXPENSES

A registration fee of \$1.00 is charged each student.

The tuition fee is \$10.00 per semester hour credit.

A laboratory fee is charged for Science courses.

A library and activity fee of \$2.00 will be charged and will be used for the library and for the promotion of student activities.

The charge for rooms will be \$3.00 per week and for board \$9.00 per week. The College reserves the right to increase this amount in case of unusual change in food prices.

The College will not open the dining room unless there is a sufficient demand.

A deposit of \$5.00 is payable to cover room and breakage. This amount, less any deductions for loss or breakage, will be refunded.

A deposit of \$1.00 is required as a guarantee for the return of room key.

An infirmary fee of \$2.00 is required of all resident students.

The fees are payable at the time of registration as a condition of admission to classes.

### NOTICE TO BOARDING STUDENTS

Students wishing room and board should notify the Director of the Summer School, so that suitable arrangements can be made in advance of registration.

Each room in the Men's Dormitory is furnished with a chiffonier and book case, and for each occupant a cot, a mattress, one chair, and a study table. Students must provide their own bedding, rugs, towels, soap, and all other furnishings.

Each room in the Women's Dormitories is furnished with a rug, bed, mattress, chair, dresser, book case, and study table. All other desired furnishings must be supplied by the student.

# ARRANGEMENT OF COURSES OF STUDY

Lebanon Valley College offers two courses of study leading to the Baccalaureate degree:

- (1) A course leading to the degree of Bachelor of Arts (A.B.)
- (2) A course leading to the degree of Bachelor of Science (B.S.)

The total number of credits required of candidates for these degrees, is in each case, 126 semester hours of academic credits and 4 in physical education.

Candidates for degrees must also obtain a minimum of 130 quality points, computed as follows: for a grade of A, 3 points for each credit hour; for a grade of B, 2 points for each credit hour; for a grade of C, 1 point for each credit hour. No quality credit will be given for a grade of D.

As part of this total requirement, every candidate must present at least 24 semester hours in one department (to be known as his Major), and at least 18 semester hours in another department (to be known as his Minor). Both Major and Minor must be selected not later than the beginning of the Junior year, the Minor to be suitably related to the Major, and chosen with the advice and approval of the Head of the Major department. Majors in education must have two Minors.

The A.B. degree will be awarded to those fulfilling the requirements for a Major in the following departments: Bible and Religion, English, French, German, Greek, History, Latin, Mathematics (Arts option), Political Science and Sociology, Philosophy, and Psychology. The B.S. degree will be awarded to those fulfilling the requirements for a Major in the following departments: Biology, Chemistry, Mathematics (Science option), Physics, Business Administration and Economics, Education, and Music Education.

## GENERAL REQUIREMENTS

Certain courses embodying the fundamentals of a liberal education are required of all students. These courses, which vary slightly according to the degree sought, are as follows:

Bible 14 and 82 .....	6 hours
English 16 and 26 .....	12 hours
Foreign Language <sup>1</sup> .....	
History <sup>2</sup> .....	6 hours
Hygiene and Orientation .....	2 hours
Mathematics <sup>3</sup> .....	
Philosophy 32 .....	2 hours
Physical Education .....	4 hours
Psychology 13 .....	3 hours
Science <sup>4</sup> .....	
Social Studies .....	6 hours
Economics 16 or .....	Political Science 16 or
Philosophy 23-A and 23-B or .....	Sociology 13 and 23

<sup>1</sup> For the A.B. degree 12 hours of Foreign Language are required.

For the B.S. degree 6 hours are required above the beginners' course. Courses may be selected from German, Greek, Latin, or Spanish.

<sup>2</sup> This may be made up from the following courses: History 13, 123, 213, 23-A, 23-B, 46, 412, 422, 43-B.

<sup>3</sup> Math. 13, 23, and 48 are required for the degree of B.S. in Science. Pre-Medical students may substitute an elective for Math. 48. Students majoring in Business Administration and Economics are required to take Math. 13 and 23 or 113 and 123.

<sup>4</sup> Biology 18, Chemistry 18, and Physics 18 are required of candidates for the B.S. degree with a major in Science. Others may elect one of the three. For explanation of the numbers see the college Bulletin.



## SUMMER SCHOOL BULLETIN

Through Summer Sessions, extension and evening classes, Lebanon Valley College is enabling many teachers and others to attend College courses and secure academic degrees who, for one reason or another, could not otherwise do so. By a careful selection of courses and consultation with the heads of departments in the college a student can meet the requirements of the college for a baccalaureate degree while continuing in his or her occupation.

### SPECIAL REQUIREMENTS

In addition to the General Requirements listed above some of the departments require students majoring therein to take certain additional courses in subjects closely related to the Major.

Students outlining a course for a degree should communicate at once with the Head of the Department in which they intend to Major.

Candidates for the Baccalaureate degree who desire to be admitted to advanced standing by virtue of work done in other institutions, should lose no time in having their credits evaluated by the Registrar, in order that they may be informed as to what requirements they must meet for graduation.

### RESIDENCE REQUIREMENTS

As a pre-requisite to the granting of all degrees the candidate must have completed a minimum of 30 semester hours work in regularly conducted classes on the college campus. Teachers in service may meet this requirement by attending the Summer School and Friday and Saturday classes held during the year at the college. Credits earned in extension classes are not residence credits.

### RECREATION

Lebanon Valley College Summer Session offers recreation in the following: Archery, Badminton, Hand Ball, Organized Hikes, Tennis and Volley Ball. Swimming facilities are available within a short distance of the college, and at Hershey and Mt. Gretna. For those interested in Golf, Hershey has the finest public golf course and club house in the East.

Various social affairs, such as picnics, teas, and trips to historical places, museums and industrial plants will be arranged under the auspices of the summer school.

### SITUATION

Annville, the home of Lebanon Valley College, is ideally situated on the Benjamin Franklin Highway, twenty miles east of Harrisburg. Mt. Gretna, nationally famous summer resort, lies but seven miles south. Hershey, Pennsylvania's recreational center, is located seven miles west and is easily reached by bus, train or auto. Indiantown Gap is situated only about ten miles northwest of Annville.

## DESCRIPTION OF COURSES

### AERONAUTICS

**S10 Introductory Aeronautics.** The usual ground school course required by the Civil Aeronautics Administration, including Civil Air Regulations, navigation, meteorology and general service of aircraft. This is the basic course required of candidates for the private pilot's license.

**S20 Advanced Aeronautics.** As need develops the usual more advanced courses in Meteorology, aircraft power plants and navigation aids as required for the commercial and instructor's licenses will be offered.

### BIOLOGY

**S18 General Biology.** A course in the general principles of Biology including the consideration of both plants and animals, their relation to their environment and to each other, the principle of metabolism, growth, differentiation, adaptation, reproduction, evolution and human welfare.

The summer period offers a distinct advantage for biological work in that much more of the work may be done in the natural habitat of the organisms under consideration.

The work will require about six hours work per day and will be divided between the field, the laboratory or the class room as best meets the requirements of the material being studied. The laboratory fee is \$16.00. Eight semester hours credit.

**S74. Biological Problems.** This course is open to a limited number of students majoring in Biology who have made a distinguished record in their previous courses. It consists in working out problems assigned to them involving a practical application of various methods of technique, originality of method and interpretation, and the development of the spirit of research. A weekly conference and report on the progress of the work will be required, and a detailed report including complete records of the work done must be presented before Summer School examinations. Laboratory work with conferences. Credit hours and time adjusted to the problem assigned.

**S24 Botany.** Field studies of the summer flora. Designed especially for Pre-veterinary and Pre-medical students and those preparing to teach Biology in secondary schools and others interested in the study of plant life.

The course will be given the first six weeks. Either four or seven hours credit may be earned depending on whether three or five hours per day are devoted to the work.

Emphasis will be given plants known to cause or cure diseases in man or other animals. References will be assigned on local plants from which drugs are derived, their preparation and use.

Each student will need Gray's Manual, 7th edition. A plant press (optional) if a herbarium is desired, and clothing suitable for traveling thru trackless fields and mountains.

### CHEMISTRY

**S18 General Inorganic Chemistry.** Two hours of class work daily, and eight hours of laboratory work per week.

A systematic study of the fundamental principles of Chemistry and a study of the sources, properties and uses of the important elements and compounds. Laboratory fee \$16.00, 8 semester hours credit.



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**S24 Qualitative Analysis.** One hour of class work daily and four hours of laboratory work per week.

A study of the theory and principles of analytical chemistry. Laboratory fee \$12.00, 4 semester hours credit.

**S48 Organic Chemistry.** Two hours lectures daily and twelve hours of laboratory work per week.

A study of the sources, classification and type reactions of organic materials. Laboratory fee \$24.00, 8 semester hours credit.

### ECONOMICS

**S16 Principles of Economics** A course dealing with the principles underlying the operation of the economic system. A study of production, value, distribution and consumption. Three or six semester hours credit.

**S33 Money and Banking.** This course deals with: the nature and functions of money; monetary standards and systems; monetary development in the United States; the National banking system; the structure and functions of the Federal Reserve System; commercial banking; credit and its uses; credit control; monetary policy and the business cycle; central banks; investment banking; savings banks; consumptive credit institutions; agricultural credit. Three semester hours credit.

**S36 Principles of Accounting.** A course in accounting principles and their application in business to sole traders, partnerships, and corporations; books of original entry; operating accounts and balance sheets; the preparation of financial statements; columnar books; controlling accounts; elements of corporation accounting; branch house accounting; business papers. Six Semester hours credit.

**S53 Cost Accounting.** A study of industrial accounting from the viewpoint of material, labor, and overhead costs; the analysis of actual costs for control purposes and for determination of unit product costs; assembling and presentation of cost data; selected problems. Three hours credit.

**S63 Auditing.** Scope and types of audits; procedure during auditing process; writing the report; case problems and audit of a practice set. Three hours credit.

**S73 Marketing.** The course deals with methods and policies of the marketing of agricultural products and the merchandising of manufactured commodities; meaning and importance of marketing distribution; marketing functions; trade channels; development of marketing methods; cooperative marketing; price policies; trade information; market analysis; merchandising costs and prices; an analysis of the merits and defects of the existing distributive organization. Three semester hours credit.

**S113 Economic Geography.** The course deals with: the field and function of Economic Geography, distribution of population, the earth, land forms, influence of soils, temperature, winds and ocean currents, climates of the world. Much of the course will deal with the more important commodities of the world's trade—their production, export, and import in the various countries of the world. Stress will be laid on the chief sources of raw materials and their industrial uses and the marketing and transportation problems connected therewith. Three or six semester hours credit.

### EDUCATION

In anticipation of the time when a fifth year of work may be required of secondary teachers, Lebanon Valley College has so arranged sequences of courses that its students may, upon graduation, continue graduate courses in the Schools of Education of the University of Pennsylvania and Temple University without loss of time or credits in securing the masters degree. Lebanon Valley College

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will continue to offer work leading to the granting of the provisional certificate and for teachers who do not desire a master's degree, such work as is at present required for the college permanent certificate.

**S13 Educational Foundations.** This course attempts to acquaint the student with historical and philosophical trends and issues. Covering the period from primitive times down to the present, it presents the aims, content, and organization of the educational systems as practiced by various countries, and presents the great leaders of educational thought. 3 semester hours credit.

**S33 Secondary Education.** The evolution of the secondary school in the United States; secondary education in other countries, current problems and trends in secondary education. Three semester hours credit.

**S43 Educational Sociology.** An attempt is made to help the student understand the functions of education in society, the nature of the school, and society's demands upon the school. In the light of these questions, consideration will be given to methods for determining objectives of the school curriculum. 3 semester hours credit.

**S82 Educational Measurements.** Preparation for testing by the classroom teacher is offered through studying principles of validity and reliability, appraising and constructing tests, and considering the use of results. Laboratory fee of \$1.00. Three semester hours credit.

**S112 Principles and Techniques of Secondary School Teaching.** A study of principles, practices, and methods with their significance to secondary school teaching. Three semester hours credit.

**S123 Introduction to Education.** An introduction to the field of education through the study of the American educational system, the place of the school in society, the training and function of the teacher. Three semester hours credit.

**S203 Visual and Sensory Techniques.** Psychological bases for sensory aids: use of apparatus; sources of equipment and supplies. Laboratory fee of \$4.00. Three semester hours credit.

### ENGLISH

**S16 English Composition.** Required of students proceeding to a college degree. Three or six semester hours credit.

**S26 A Survey of English Literature.** This course is required of all students proceeding to a degree, except those preparing for a B.S. in Chemistry. It is offered in two parts. Students may take either or both, depending on their requirements. Three or six semester hours credit.

**S63-B Shakespeare.** A study of the principle comedies and tragedies. Three semester hours credit.

**S152 History of the English Language.** Historical study of the English sounds, inflections, and vocabulary, Standards of correctness; current usage. Recommended especially for prospective teachers of English composition. Two or three semester hours credit.

**S512 Poetry of the Romantic Movement.** A study of early Nineteenth Century poetry, with special attention to five poets: Wordsworth, Coleridge, Byron, Shelley, Keats. Two or three semester hours credit.

**S526 American Literature.** From the Beginnings to the Present Day. Three or six semester hours credit.

Methods of Teaching English (Education 332)

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### FRENCH

**S06 Elementary French.** This course is intended for those who begin French in College. Its aim is to enable the student to write simple French sentences, to carry on a conversation in easy French, and to read French of ordinary difficulty. College credit of six semester hours will be granted for this course, if followed by French 16, but it cannot be counted toward a major.

**S16 First Year College French.** This course presupposes two years of high school French. It includes further drill in the principles of grammar, practice in conversation, composition, and dictation, and more extensive reading. Six semester hours credit.

### GERMAN

**S76 Scientific German.** Translation course for students specializing in science, particularly for students of medicine and chemistry. Not open to major students in German. Three hours credit.

**S16 Modern German Literature.** Reading of nineteenth and twentieth century literature combined with a study of geography, history, and art. Grammar and composition. Six semester hours credit.

### HISTORY

**S23-A Europe from 1815 to 1914.** A survey of Nineteenth Century Europe. This course will be followed by History 23-B. Three semester hours credit.

**S23-B Europe from 1914 to the Present.** A study of the World War and post-war problems. Emphasis will be placed upon current history. Three semester hours credit.

**S46 Political and Social History of the United States and Pennsylvania.** A general survey of American history from Colonial times to the present. A study of the importance of Pennsylvania's contribution to the development of the nation will be stressed. Three or six semester hours credit.

**S213 The Renaissance and the Reformation.** A study of the political, economic, cultural and social changes that occurred from the 13th to the 16th centuries. One semester. Three semester hours credit.

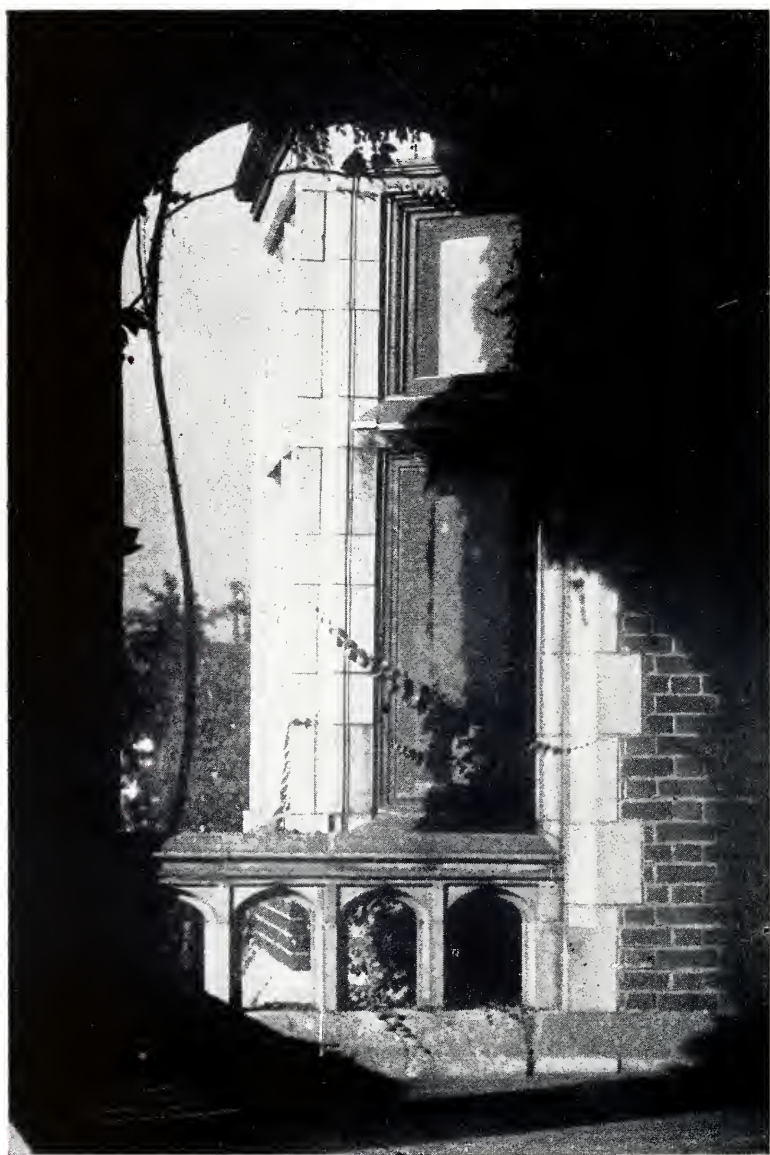
**S223 The French Revolution and Napoleon.** A survey of the conditions in the 17th and 18th centuries which led to the outbreak of the Revolution; the events of the Revolution itself, and the effect of the Revolution upon the rest of Europe. The career of Napoleon and the results of his work. One semester. Three semester hours credit.

**S403 History of Pennsylvania.** A study of the political and social history of Pennsylvania with special emphasis on the different types of settlers and on the contribution of the Commonwealth to the history of the nation. First six weeks. Three semester hours credit.

### MATHEMATICS

**S13 Advanced Algebra.** Covering ratio and proportion, variation, progressions, binomial theorem, theorem of undetermined coefficients, logarithms, permutations and combinations, theory of equations, partial fractions, etc. Three semester hours credit.

**S23 Plane Trigonometry.** Definitions of trigonometric functions, right and oblique triangles, computation of distances and heights, development of trigonometric formulae. Three semester hours credit.





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**S36 Analytic Geometry.** The equations of the straight line, circle, ellipse, parabola, and hyperbola are studied, numerous examples solved, and as much of the higher plane curves and of the geometry of space is covered as time will permit. Six semester hours credit.

**S48 Differential and Integral Calculus.** Differentiation of algebraic and transcendental functions, maxima and minima, development into series, etc. Integrations, rectification of curves, quadrature of surfaces, cubature of solids, etc. Six or eight semester hours credit.

Note: If there should be a sufficient demand any other standard course in Mathematics may be offered.

### PHILOSOPHY

**S32 Ethics.** The aim of this course is to acquaint the student with the academic ethical problems, and to effect an awakening and a strengthening of the moral sense. This is a required course for all students proceeding to a degree. Two semester hours credit.

### PHYSICS

**S16 General College Physics.** Two hours lectures and recitations daily. This course will be a thorough investigation of the fundamental principles of physical science, and is especially intended as a preparation for Physics 2, 3, and 4, and for those interested in the practical application of physical laws and principles. When accompanied by Physics 12, it meets the minimum requirements of those who are candidates for the bachelor's degree in science and for admission to the Medical Schools. Six semester hours credit.

**S12 General Physics Laboratory.** Laboratory work associated with the subject matter of Physics 16. This course should accompany Physics S16. Two semester hours credit.

Note: If there is sufficient demand an advanced course in Physics will be offered.

### POLITICAL SCIENCE

**S16 American Government and Politics.** An introduction to the study of government in the United States. A study of the relationships which exist between municipal, state, and national government, a comparison of the governmental powers exercised by each of these units, and a consideration of the institutions through which these functions are exercised. Some attention is devoted to current world affairs. Three or six semester hours credit.

**S53 Foreign Relations.** The study of the history and development of the foreign policy of the United States constitutes the background of the course. Special emphasis is placed on contemporary world politics and on the current position of our nation in international relations. Three semester hours credit. First session.

**S73 Political Parties in the United States.** A study of the history and origins of political parties, their organization, development, and methods of operation, leaders, machines and bosses, campaigns and platforms. Three semester hours credit. Second session.

### PSYCHOLOGY

**S13 General Psychology.** This course aims to acquaint the student with the psychological standpoint and with the fundamental psychological principles. It includes a study of such topics as native tendencies, acquired tendencies, emotions, imagination, memory, and reasoning. Lectures, discussions and laboratory work. Three semester hours credit.

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**S23 Educational Psychology.** Designed to meet the needs of students of education who are seeking from psychology the facts and principles that have a bearing on their problems. Special emphasis is placed on the learning process. Prerequisite: Psychology S13. Three semester hours credit.

**S43 Psychology of Adolescence.** A study of the physical and mental changes which characterize adolescence. The questions of rate and variation in learning, motive, personality, disturbances and control of behavior will be handled. This course has been approved by the State Department of Education for professional credit. Three semester hours credit.

**S53 Applied Psychology.** A survey of the applications of Psychology to the various fields of human relations. It includes such topics as: increase in efficiency, effect of suggestions, improvement of personality, advertising, and the psychology of the public platform. Three semester hours credit.

**S63 Mental Hygiene.** A study of wholesome affective personality adjustments, including causes and treatment of the more common social and emotional maladjustments among college students. Prerequisite: Psychology S13. Three semester hours credit.

**S93 Abnormal Psychology.** An introduction to the study of abnormal behavior, including such topics as hysteria, multiple personality, hypnotism, analysis of nervous and mental maladjustments, and a study of psychological processes as they occur in the more marked forms of derangement. Prerequisite: General Psychology. Three semester hours credit.

## RELIGION

**S14 Introduction to English Bible.** An appreciative and historical survey of the literature of the Old and New Testaments. This is a required course for all students proceeding to a degree. Two or four semester hours credit.

**S82 The Teaching of Jesus.** This course attempts an intensive study of the religious concepts of Jesus as set forth in the Gospels. Required of all proceeding to a college degree at Lebanon Valley College. Two semester hours credit.

## SOCIOLOGY

**S13 Introductory Sociology.** The nature of man's social heritage, the bearing of group life upon the individual's personality, the development of social institutions and community life, and the forces involved in social change and reorganization are the principal topics studied in this course. Three semester hours credit. First session.

## SPANISH

**S06 Elementary Spanish.** This course is intended for those who begin Spanish in college. Its aim is to enable students to write simple Spanish sentences, to carry on a conversation in easy Spanish, and to read Spanish of ordinary difficulty. College credit of six semester hours will be granted for this course if followed by Spanish 16.

**S16 First Year College Spanish.** This is a continuation and extension of course 06 and includes further drill in the principles of grammar, practice in conversation, composition, and dictation, and more extensive reading. For entrance to Spanish 16, the preparatory course 06 or its equivalent (two years of high school Spanish) will be required. Six semester hours credit.



## EXTENSION AND EVENING COURSES

For many years Lebanon Valley College, through extension and evening courses, has enabled teachers, state employees, and others in active employment to attend college courses and secure academic degrees. Through these courses teachers may meet the certification requirements of the State Department in the secondary field.

Extension courses are offered in the Central School Building, Forster Street, Harrisburg, on Monday, Tuesday, Wednesday, and Thursday evenings from 7:00 to 9:00 P.M.

A limited number of evening classes will be held at the College in Annville, on Friday evenings from 6:30 to 8:15 P.M., and from 8:15 to 10:00 P.M. Classes may be held on other evenings, if desired.

Extension and evening classes begin the week of September 22, 1947.

Students interested in extension and evening class work should write to Director of Extension and Evening Classes for information. The Director will appreciate suggestions as to what courses may be desired.

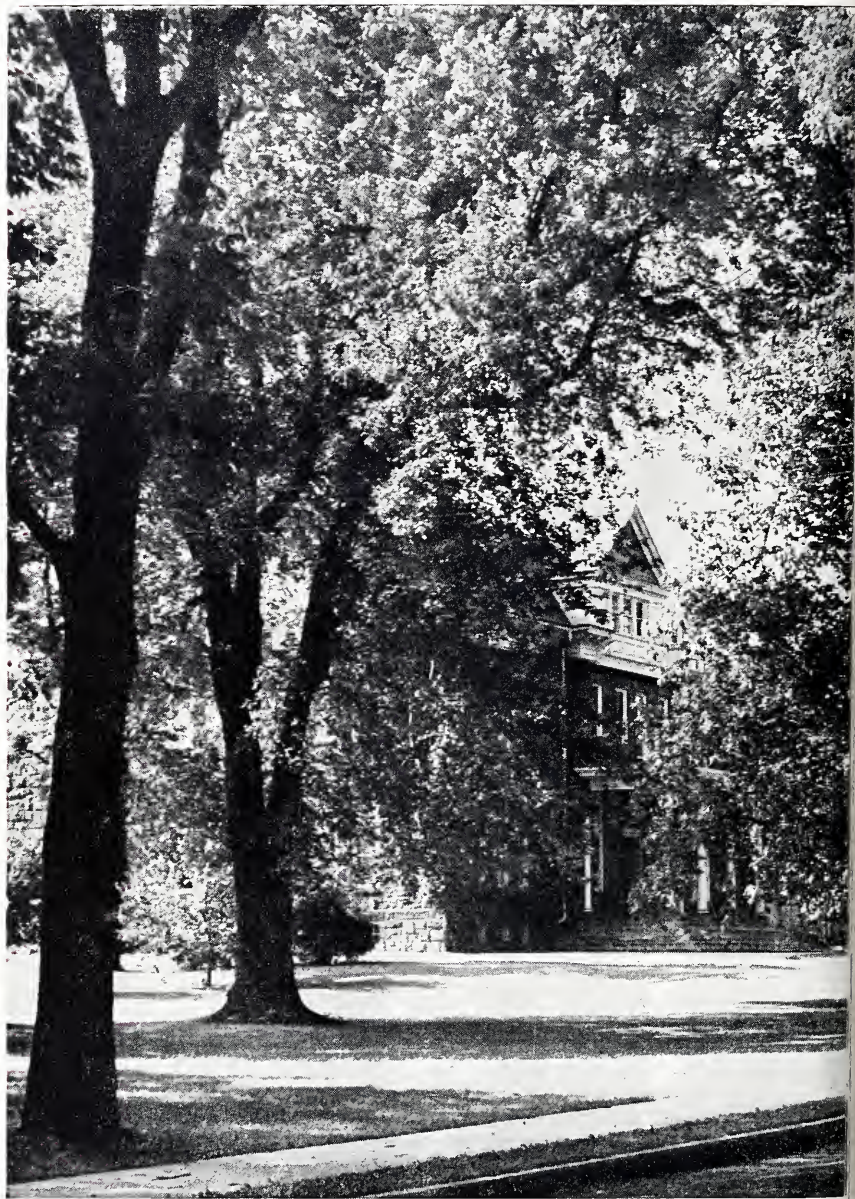
## TEACHER CERTIFICATION

Numerous inquiries have been received concerning courses for teachers desirous of re-entering the profession and from teachers who wish to secure certification in additional fields. Most of the courses offered in the Summer Session will serve as refresher courses in addition to offering credit for certification.

If there is a sufficient demand, additional courses will be offered. If the course in which you are interested is not listed in this Bulletin, write to the Director of the Summer School.



North Hall



Conservatory of Music

# CONSERVATORY OF MUSIC

MARY E. GILLESPIE, M.A. ....	Director
EDWARD P. RUTLEDGE, M.A. ....	Musical Organizations
D. CLARK CARMEAN, M.A. ....	Music Education
FRANK STACHOW, M.A. ....	Instrumental
ELIZABETH KAHN, M.A. ....	Theory, Piano
R. PORTER CAMPBELL, Mus.B. ....	Organ
HAROLD MALSH ....	Violin
ALEXANDER CRAWFORD ....	Voice
REYNALDO ROVERS ....	Voice
CHARLES MASSINGER, M.A. ....	Voice
RUTH E. BENDER, A.B. ....	Piano
MERL FREELAND, A.B. ....	Piano
MARGARET BAXTRESSER ....	Piano

The aim of Lebanon Valley College Conservatory is to teach music historically and aesthetically as an element of liberal culture; to offer courses that will give a thorough and practical understanding of theory and composition; and to train artists and teachers.

The Conservatory of the college is one of a limited number of institutions offering courses in Public-School Music for teachers and supervisors approved for certification by the Pennsylvania State Council of Education.

## STUDENT TEACHING S776

**Professor Carmean**

Six semester hours credit.

Students requiring practice teaching in Instrumental Music may make arrangements to do their practice teaching in the Demonstration School in Annville.

Professors Crawford, Malsh, Campbell and Freeland will be available during the summer term for private instruction in their respective fields. Persons interested in private instruction should address them individually and complete arrangements in advance of the opening date.

Professor Rutledge will be available for private instruction in woodwinds and brass, and Professor Carmean will be available for private instruction in viola, cello, string bass and clarinet.

## SOLFEGGIO 132

**Professor Carmean**

Two semester hours credit.

A continuation with exercises and songs of increasing difficulty both tonal and rhythmic. Emphasis on reading from any clef. Study and application of additional tempo, dynamic and interpretive markings.

Speed and accuracy are demanded. New material is constantly used, resulting in an extensive survey of song material.

## PHYSICAL SCIENCE S103

**Professor Carmean**

Three semester hours credit.

Cultivation of the scientific approach to sound and tone, with emphasis on their application to music and musical instruments.

## INSTRUMENTAL MUSIC

**Professor Rutledge**

Class instruction is offered for beginners, on:

BRASS 1—(Trumpet, Cornet, Alto, French Horn, Trombone, Baritone, or Tuba)—1 hour credit.

ADVANCED BRASS—1 hour credit.

PERCUSSION (Drums)—1 hour credit.

PERCUSSION (Advanced)—1 hour credit.



**HISTORY OF MUSIC AND APPRECIATION 553**

**Professor Gillespie**

Three semester hours credit.

The first developments of music are treated briefly, and special emphasis is laid on the work of the contrapuntal schools, the development of the harmonic idea in composition and the rise of the opera and oratorio.

**HISTORY OF MUSIC AND APPRECIATION 563**

**Professor Gillespie**

Three semester hours credit.

Emphasis is placed on the growth of musical movements and forms, and on the lives, works, and influence of the great composers. Opportunity is given for hearing representative music of the different periods of music history and of the recognized composers.

**METHODS 443: Child Voice and Rote Songs with Materials and Methods for Grades 1, 2, 3.**

**Professor Gillespie**

Three semester hours credit.

A comprehensive study of the use of child's singing voice in the primary grades, including the treatment of monotones, acquaintance with the best collections of rote songs, and practice in choosing, memorizing, singing, and presenting a large number of these songs; methods of presenting rhythm through singing games and simple interpretive movements; beginnings of directed music appreciation; foundation studies for later technical developments. Comparative study of recognized Public School Music Series.

**METHODS 453: All Materials and Methods for Grades 4, 5, 6.**

**Professor Gillespie**

Three semester hours credit.

A study of the child's singing voice in the intermediate grades; special attention to the formal or technical work of these grades, with an evaluation of important texts and recent approaches. Preparation of lesson plans, making of outlines, and observation is required. Music appreciation is continued.

**METHODS 463: Materials and Methods, Junior and Senior High School**

**Professors Gillespie and Carmean**

Three semester hours credit.

The junior and senior high school problems are treated separately through an analysis of the specific problems, year by year or in special groups. Attention is given to materials and methods relative to the organization and directing of choruses, glee clubs, orchestra, band, elementary theory, music appreciation, and class instruction in band and orchestral instruments; study in the testing and care of the adolescent voice.

**METHODS 482: Advanced Problems.**

**Professor Rutledge**

Two semester hours credit.

A study of the general and specific problems which confront the director of school orchestras, bands, and instrumental classes. Problems of general interest will include (1) organization and management, (2) stimulating and maintaining interest, (3) selection of beginners, (4) scheduling rehearsals and class lessons, (5) financing and purchasing instruments, uniforms, and other equipment, (6) marching bands—formations and drills, (7) evaluating music materials, (8) festivals, contests, and public performances.



